Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

06-AMCP-0268

AUG 28 2006

Ms. Jane Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99352

Dear Ms. Hedges:

SUBMITTAL OF THE HANFORD FACILITY DANGEROUS WASTE PERMIT APPLICATION, REVISION 0 AND APPROVAL OF THE STATE ENVIRONMENTAL PROTECTION ACT (SEPA) ENVIRONMENTAL CHECKLIST, REVISION 1 FOR THE WASTE ENCAPSULATION AND STORAGE FACILITY (WESF) (TSD: S-2-10)

The purpose of this letter is to transmit the certified DOE/RL-2006-35, Hanford Facility Dangerous Waste Permit Application, WESF, Revision 0 (Part B), and the signed State Environmental Protection Act (SEPA) Environmental Checklist for the Waste Encapsulation Storage Facility (WESF), Revision 1.

Submittal of the certified WESF Part B meets the required due date of August 31, 2006, as stated in Ecology's letter dated June 12, 2006. The SEPA Environmental Checklist was revised to meet the new checklist format that was provided by Ecology. Ecology has reviewed the draft WESF Part B that was submitted in March 2004. Ecology agreed to comments that have been incorporated into this certified WESF Part B as required by their letter dated June 12, 2006.

This is the final action based on submittal of the certified WESF Part B. If you have any questions, please contact me, or your staff may contact, Matt McCormick, Assistant Manager for the Central Plateau, on (509) 373-9971.

Sincerely,

Keith A. Klein
Manager

AMCP:OMH

Enclosures:
1. WESF Part B, Revision 0
2. WESF SEPA Environmental Checklist, Revision 1

cc: See Page 2

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cc w/encl:
K. Conaway, Ecology
Administrative Record
Environmental Portal

cc w/o encl:
G. Bohnee, NPT
N. Ceto, EPA
S. Harris, CTUIR
J. E. Hyatt, FHI
R. Jim, YN
T. Martin, HAB
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F. M. Simmons, FHI
J. F. Williams, FHI

STATE ENVIRONMENTAL POLICY ACT
ENVIRONMENTAL CHECKLIST

FOR THE

HANFORD FACILITY
WASTE ENCAPSULATION AND STORAGE FACILITY

REVISION 1

AUGUST 2006

WASHINGTON ADMINISTRATIVE CODE
ENVIRONMENTAL CHECKLIST
[WAC 197-11-960]

A. BACKGROUND

1. Name of proposed project, if applicable:

This *State Environmental Policy Act* (SEPA) *of 1971* Environmental Checklist is being submitted for continued operation of the Hanford Facility Waste Encapsulation and Storage Facility (WESF).

2. Name of applicants:

U.S. Department of Energy, Richland Operations Office (DOE-RL).

3. Address and phone number of applicants and contact persons:

U.S. Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

Contact:

Keith A. Klein, Manager
Richland Operations Office
(509) 376-7395

4. Date checklist prepared:

August 2006.

5. Agency requesting the checklist:

Washington State Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

6. Proposed timing or schedule: (including phasing, if applicable):

WESF currently is operating under interim status. A final, certified *Resource Conservation and Recovery Act* (RCRA) Part B Permit Application is being prepared for submittal to Ecology by August 2006.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No. There are no plans for future additions or expansions. WESF would continue to operate for miscellaneous storage.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

This revised SEPA Environmental Checklist is being submitted to Ecology concurrently with the final, certified Part B Permit Application for WESF. Revision 0 of the SEPA Environmental Checklist (July 1997) was submitted with the Notice of Intent to submit the Part A permit application for miscellaneous storage at WESF.

NEPA documentation pertaining to WESF includes the following.

- DOE/EIS-0113, *Final Environmental Impact Statement; Disposal of Hanford Defense High-Level, Transuranic and Tank Wastes*, December 1987.

- DOE/EIS-0189F, *Final Environmental Impact Statement for the Tank Waste Remediation System, Richland, Washington*, August 1996.

- DOE/EA-0942, *Environmental Assessment; Return of Isotope Capsules to the Waste Encapsulation and Storage Facility, Hanford Site, Richland, Washington*, March 1992.

General information concerning the Hanford Facility environment can be found in the *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision). This document is updated annually by Pacific Northwest National Laboratory (PNNL), and provides current information concerning climate and meteorology, ecology, history and archeology, socioeconomic, land use and noise levels, and geology and hydrology. These baseline data for the Hanford Site and past activities are useful for evaluating proposed activities and their potential environmental impacts.

9. Do you know whether applications are pending for government approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No other permits are pending at this time.

10. List any government approvals or permits that will be needed for your proposal, if known.

Ecology is the lead agency authorized to approve the RCRA Part B Permit Application for WESF. No other permits are known to be required at this time.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

WESF (225B Building) is located adjacent to the west end of B Plant (221-B Building) in the 200 East Area of the Hanford Site. WESF is a two-story structure 48 meters long by 30 meters wide by 12 meters high at the outside dimensions. The first floor surface area is 1,300 square meters and the second floor is 600 square meters. The ground elevation is about 213 meters above sea level and is approximately 79 meters above the groundwater table.

The construction of WESF started in 1971 and was completed in 1973. The original mission of WESF was to process, encapsulate, and store the waste generated during the chemical reprocessing of defense fuel on the Hanford Site, thus ensuring isolation of hazardous radioisotopes from the environment. Processing and encapsulation of the cesium and strontium feed materials were completed in 1985.

WESF operations include decontamination of equipment and capsules, and surveillance of stored capsules. Capsules are expected to be stored at WESF at least until the year 2018.

The current WESF mission is to store the cesium-137 and strontium-90 capsules in a safe manner and in compliance with all applicable rules and regulations. Two areas within WESF will store capsules that will be managed as waste: (1) Pool Cells 1 through 8 and 12, located within the west side of the 225B Building, which provides underwater storage for radiological protection from the cesium-137 and strontium-90 capsules; and (2) all hot cells. All hot cells are included for permitting purposes; Hot Cells F and G currently are planned cells for providing interim dry storage of capsules.

Pool Cell 1 is 2.7 meters wide, 6.6 meters long and 5.5 meters deep. Pool Cells 2 through 8 are 1.3 meters wide, 6.6 meters long, and 5.5 meters deep. Pool Cell 12 is 1 meter wide by 19.8 meters long by 4.7 meters deep. The south end of Pool Cell 12 contains a cask pit 1.3 meters wide by 2.3 meters long by 5.5 meters deep. Pool Cells 2 through 8 are connected to Pool Cell 12 by transfer ports. A transfer port is a ball valve that can be opened and closed to transfer capsules or water between each of the pool cells and Pool Cell 12. The transfer port is located approximately 1 meter above the pool cell floor. All pool cells have liners constructed of 16 gauge type 304L stainless steel at the sides and 14 gauge type 304L stainless steel flooring. Inactive (not storing capsules) Pool Cells 9 through 11 are not equipped for storage of capsules and each have three 76-centimeter-thick concrete cover blocks installed. Although all pool cells except Pool Cell 12 are designed for cover block installation, cover blocks currently are not placed on active (storing capsules) pool cells to prevent potential damage to the capsules due to a cover block drop.

Hot Cells F and G are located in the south end of the 225B Building and were used for past chemical reprocessing and encapsulation of the cesium-137 and strontium-90 capsules. The maximum inside dimensions of cell F are 2.4 meters wide by 2.4 meters long by 4 meters high. The rear portion of the cell floor is elevated 56 centimeters and is 50 centimeters deep. The floor and lower portion of Hot Cell F walls are lined with stainless steel. The unlined portions originally were coated with white radiation- and corrosion-resistant paint. Hot Cell F contains some of the equipment used for decontamination of the inner capsules.

The wall between Hot Cell F and Hot Cell G is 89-centimeters thick and is constructed from high-density (3,770 kilograms per cubic meter) reinforced structural concrete. The maximum inside dimensions of Hot Cell G are 4.8 meters wide by 2.4 meters long by 4.1 meters high. The floor and walls of Hot Cell G are coated with white radiation- and corrosion-resistant paint.

The scope of WESF mission currently is focused on maintenance activities and storage and surveillance of capsules. Additionally, capsule inspection and decontamination could be conducted, if necessary.

12. **Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

WESF is located north of the city of Richland, Washington, in the 200 East Area of the Hanford Site.

Topographic maps and site plans are included in the *Hanford Facility Dangerous Waste Permit Application, Waste Encapsulation and Storage Facility* submittal.

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EVALUATIONS FOR AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. **General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other_____.**

Flat.

b. **What is the steepest slope on the site (approximate percent slope)?**

The approximate slope of the land is less than 2 percent.

c. **What general types of soils are found on the site? (for example, clay, sandy gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.**

Soil types consist mainly of eolian and fluvial sands and gravel. More detailed information concerning specific soil classifications can be found in the *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision). Farming is not permitted on the Hanford Facility.

d. **Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.**

No.

e. **Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.**

No filling or grading is required.

f. **Could erosion occur as a result of clearing, construction, or use? If so, generally describe.**

No.

g. **About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?**

None. No construction is anticipated.

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EVALUATIONS FOR AGENCY USE ONLY

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

None.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities, if known.

Minor amounts of exhaust would be generated by vehicles used by personnel to gain access to WESF.

An airborne release could occur as a result of upset conditions during capsule storage operations. Such a release would not be expected to exceed immediately dangerous to life and health concentrations outside the immediate area of the spill/release because of the small quantity of material that is available for release.

b. Are there any off-site sources of emissions or odors that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to the air, if any?

Good engineering practices would be followed, and actions would comply with onsite procedures designed to protect the environment and personnel safety and health. Administrative control practices and high-efficiency particulate air filters would continue to limit air emissions as well as protect worker health.

3. Water

a. Surface

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

No. WESF is approximately 5 kilometers from the Columbia River. However, WESF is a nonland-based facility as defined in

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WAC 173-303-282(3)(i). The WAC 173-303-282(6)(c)(i)(B)(I) requires nonland-based facilities be located at least 152 meters from any perennial water body. WAC 173-303-282-(6)(d)(i) requires nonland-based facilities be located at least 152 meters from any wetlands, designated critical habitats, habitats designated by the Washington Department of Wildlife as habitat essential to the maintenance or recovery of any state listed threatened or endangered wildlife species, natural areas that are acquired or voluntarily registered or dedicated by the owner, or state or federally designated wildlife refuges, preserves, or bald eagle protection areas. WESF is over 152 meters from any of these areas.

2) **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

No.

3) **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

None.

4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.**

The water supply for the 200 Areas is pumped from the Columbia River. WESF operations use relatively little of this overall withdrawal. The estimated amounts are insignificant compared to normal daily water use in the 200 Areas.

5) **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

No. WESF is not within the 100-year or 500-year floodplain [*Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision)].

6) **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

No.

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EVALUATIONS FOR AGENCY USE ONLY

b. Ground

1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.**

No.

2) **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

None.

c. **Water Run-off (including storm water)**

1) **Describe the source of run-off (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

The Hanford Facility receives only 15.2 to 17.8 centimeters of annual precipitation. Precipitation runs off the existing buildings and seeps into the soil on and near the buildings. The precipitation does not reach the groundwater or surface waters.

Precipitation would not come into contact with any of the liquid waste treated and/or stored.

2) **Could waste materials enter ground or surface waters? If so, generally describe.**

Engineering controls during operational activities will prevent dangerous waste from entering the groundwater.

d. **Proposed measures to reduce or control surface, ground, and run-off water impacts, if any:**

Measures would involve general engineering controls, including routine inspections.

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EVALUATIONS FOR AGENCY USE ONLY

4. **Plants**

a. **Check or circle the types of vegetation found on the site.**

- ☐ deciduous tree: alder, maple, aspen, other
- ☐ evergreen tree: fir, cedar, pine, other
- ☐ shrubs
- ☒ grass
- ☐ pasture
- ☐ crop or grain
- ☐ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☒ other types of vegetation

The most common vegetation community in the 200 East Area is sagebrush/cheatgrass or Sandberg's bluegrass. Native vegetation in the immediate vicinity of WESF has been eradicated.

b. **What kind and amount of vegetation will be removed or altered?**

None.

c. **List threatened or endangered species known to be on or near the site.**

The Hanford Facility contains some federal and state listed threatened and endangered plant and animal species. Additional information on species can be found in *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision).

d. **Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:**

None.

5. **Animals**

a. **Indicate (by underlining) any birds and animals which have been observed on or near the site or are known to be on or near the site:**

birds: Raptors (burrowing owls, ferruginous, redtail, and Swainson's hawks) eagles, songbirds,
mammals: deer, elk, coyotes, rabbits, rodents.

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Additional information on animals can be found in *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNNL-6415 (latest revision).

b. List any threatened or endangered species known to be on or near the site.

One federal and state listed threatened or endangered specie has been identified on the 1,517 square kilometer Hanford Site along the Columbia River: the bald eagle. In addition, the state listed white pelican, sandhill crane, and ferruginous hawk also occur on or migrate through the Hanford Site.

c. Is the site part of a migration route? If so, explain.

The Hanford Site is a part of the broad Pacific Flyway. However, WESF is not known as a permanent haven for migratory birds.

d. Proposed measures to preserve or enhance wildlife, if any:

This project contains no specific measures to preserve or enhance wildlife.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Diesel fuel, gasoline, and oil are used for operations equipment.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None.

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7. **Environmental Health**

a. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.**

Possible environmental health hazards to personnel could arise from activities at WESF. The hazard could come from exposure to radioactive and/or chemical materials. Stringent administrative controls and engineered barriers will be used to minimize the probability of even a minor incident and/or accident. A radioactive and/or chemical spill, release, fire, or explosion could occur only as a result of a simultaneous breakdown in multiple barriers or a catastrophic natural forces event.

1) **Describe special emergency services that might be required.**

Hanford Site security, fire response, and ambulance services are on call at all times in the event of an onsite emergency. Hanford Site emergency services personnel are trained specially to manage a variety of circumstances involving chemical and/or mixed waste constituents and situations.

2) **Proposed measures to reduce or control environmental health hazards, if any:**

All personnel are trained to follow proper procedures during WESF operations to minimize potential exposure. For example, chemical and radiological safety hazards would be mitigated by preventing direct contact with the residual chemical constituents; and protective clothing, appropriate training, and respiratory protection used by onsite personnel as necessary. As low as reasonably achievable (ALARA) principles would be applied during operations.

b. **Noise**

1) **What type of noise exists in the area which may affect your project (for example: traffic, equipment, operation, other)?**

While there is a minor amount of traffic, operation, and equipment noise in the vicinity, there would be minimal affect to personnel at WESF.

2) **What types and levels of noise would be created by or associated with the project on a short-term or a long-term**

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basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Minor amounts of noise from traffic and equipment are expected during operations.

3) **Proposed measures to reduce or control noise impacts, if any:**

The pool cell area is posted as a hearing protection area (noise from recirculation pumps.

8. **Land and Shoreline Use**

a. **What is the current use of the site and adjacent properties?**

The Hanford Facility is a single RCRA facility identified by the U.S. Environmental Protection Agency (EPA)/State Identification Number WA7890008967 that consists of over 70 TSD units conducting dangerous waste management activities. These TSD units are included in the *Hanford Facility Dangerous Waste Part A Permit Application* (DOE/RL-88-21). The Hanford Facility consists of all contiguous land, and structures, other appurtenances, and improvements on the land, used for recycling, reusing, reclaiming, transferring, storing, treating, or disposing of dangerous waste, which, for the purposes of the RCRA, are owned by the U.S. Government and operated by the DOE-RL (excluding lands north and east of the Columbia River, river islands, lands owned or used by the Bonneville Power Administration, lands leased to Energy Northwest, and lands owned by or leased to Washington State).

b. **Has the site been used for agriculture? If so, describe.**

No portion of the 200 Areas has been used for agricultural purposes since 1943.

c. **Describe any structures on the site.**

WESF is located in the 200 East Area and includes numerous buildings and structures (refer to Section A.11).

d. **Will any structures be demolished? If so, what?**

None.

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e. What is the current zoning classification of the site?

The Hanford Site is currently included in Public Lands designation in the Benton County Comprehensive Plan (June 22, 1998) (internet address: http://206.61.210.104/pl/compplan/forward.htm). The Plan is being revised, and will address the Hanford Site as a separate geographic component, or "Sub-Area" with its own Land Use Plan (under development as Chapter 13 in the aforementioned Benton County Comprehensive Plan).

f. What is the current comprehensive plan designation of the site?

The *Hanford Comprehensive Land-Use Plan Environmental Impact Statement Record of Decision* (64 FR 61615, November 12, 1999) stated that the Central Plateau (200 Areas) geographic area is designated Industrial-Exclusive.

g. If applicable, what is the current shoreline master program designation of the site?

Does not apply.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No part of WESF has been classified as "environmentally sensitive."

i. Approximately how many people would reside or work in the completed project?

No people reside at WESF. Approximately 25 people are involved in day-to-day operations of WESF.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Does not apply.

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l. **Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:**

Does not apply (refer to Section B.8.f.).

9. **Housing**

a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**

None.

b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

None.

c. **Proposed measures to reduce or control housing impacts, if any:**

Does not apply.

10. **Aesthetics**

a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

No new structures are being proposed. The unit is located in an existing building, which is approximately 12 meters high.

b. **What views in the immediate vicinity would be altered or obstructed?**

None.

c. **Proposed measures to reduce or control aesthetic impacts, if any:**

None.

11. **Light and Glare**

a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

Nighttime lighting provides a continuous operations environment and necessary security requirements.

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b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

None.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any?

None.

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No places or objects listed on, or proposed for national, state, or local preservation registers are known to be next to WESF. WESF has been determined to be eligible for the National Register of Historic Places as a contributing property in the Manhattan Project/Cold War Historic District. Additional information

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concerning Hanford Site cultural resources can be found in PNNL-6415 (latest revision).

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

See response to B.13.A. There are no known archaeological or Native American religious sites in the WESF area.

c. Proposed measures to reduce or control impacts, if any:

See response to B.13.A.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Does not apply.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

WESF is not accessible to the public and is not served by public transit. It is approximately 40 kilometers to the city of Richland with the nearest transit stop.

c. How many parking spaces would the completed project have? How many would the project eliminate?

Not applicable.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

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f. **How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.**

The number of vehicular trips would remain at the present rate.

g. **Proposed measures to reduce or control transportation impacts, if any:**

None.

15. **Public Services**

a. **Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.**

No.

b. **Proposed measures to reduce or control direct impacts on public services, if any:**

Does not apply.

16. **Utilities**

a. **Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:**

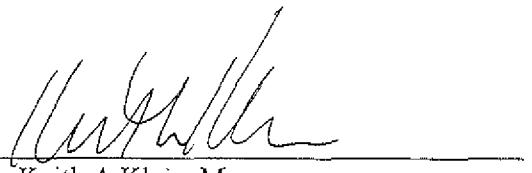
Electricity, telephone, sewer, water, and refuse collection are available at WESF.

b. **Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.**

No new utilities are proposed for WESF.

SIGNATURES

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.



Aug 28, 2006

Mr. Keith A Klein, Manager
U.S. Department of Energy
Richland Operations Office

Date

06-AMCP-0268

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HANFORD FACILITY DANGEROUS WASTE PERMIT APPLICATION, WASTE ENCAPSULATION AND STORAGE FACILITY

*Complete document located in Sensitive Table